



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS830LEDHHOWT5022AL120-277V\_P.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TESTLAB] Photopia 2018.1.0 see: [www.ltioptics.com/ies](http://www.ltioptics.com/ies)  
 [ISSUEDATE]  
 [TESTDATE] Thu Aug 16 14:52:35 2018  
 [TEST] 1  
 [MANUFAC] BEGHELLI  
 [LUMCAT]  
 [LUMINAIRE] BS830LEDHHOWT5022AL120-277[\_P  
 [LAMP] LED 0.195W White 5630 package (65mA)  
 [LAMPCAT] SPMWHT541MD-3900K  
 [OTHER]  
 IESNA:LM-63-2002[TEST] 6,552  
 [TESTLAB] CSA Group  
 [ISSUEDATE] 7/24/2013 1:09:24 PM  
 [OTHER] Luminous shape: Rectangle  
 [OTHER] Luminous dimensions (feet)  
 [OTHER] 0 - 180 Axis: 4.2  
 [OTHER] 90 - 270 Axis: 0.6  
 [OTHER] Height: 0.1

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	16922
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	155
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.10
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.88 ft
Luminous Width (90-270)	1.88 ft
Luminous Height	1.59 ft

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : BS830LEDHTHOWT5022AL120-277V\_P.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6056	5089	6056
55	3682	3001	3682
65	2433	1920	2433
75	1142	869	1142
85	10	7	10

CANDELA TABULATION

	<u>0</u>
0	10668.707
5	10587.682
10	10394.144
15	10030.353
20	9496.015
25	8924.288
30	8181.306
35	6603.934
40	4492.011
45	2585.755
50	1803.293
55	1525.532
60	1237.175
65	946.806
70	667.672
75	402.093
80	151.586
85	2.915
90	0.018
95	0.027
100	0.027
105	0.035
110	0.044
115	0.044
120	0.053
125	0.071
130	0.115
135	0.124
140	0.115
145	0.089
150	0.106
155	0.328
160	1.471
165	2.011
170	1.816
175	1.418
180	10.588

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	3825.51	N.A.	22.60
0-30	7922.19	N.A.	46.80
0-40	11950.7	N.A.	70.60
0-60	15510.46	N.A.	91.70
0-80	16877.96	N.A.	99.70
0-90	16920.74	N.A.	100.00
10-90	15916.04	N.A.	94.10
20-40	8125.18	N.A.	48.00
20-50	10322.56	N.A.	61.00
40-70	4499.49	N.A.	26.60
60-80	1367.49	N.A.	8.10
70-80	427.77	N.A.	2.50
80-90	42.78	N.A.	0.30
90-110	0.06	N.A.	0.00
90-120	0.11	N.A.	0.00
90-130	0.18	N.A.	0.00
90-150	0.33	N.A.	0.00
90-180	1.35	N.A.	0.00
110-180	1.29	N.A.	0.00
0-180	16922.09	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	1004.7
10-20	2820.81
20-30	4096.68
30-40	4028.51
40-50	2197.38
50-60	1362.39
60-70	939.73
70-80	427.77
80-90	42.78
90-100	0.03
100-110	0.04
110-120	0.05
120-130	0.07
130-140	0.09
140-150	0.06
150-160	0.24
160-170	0.51
170-180	0.26

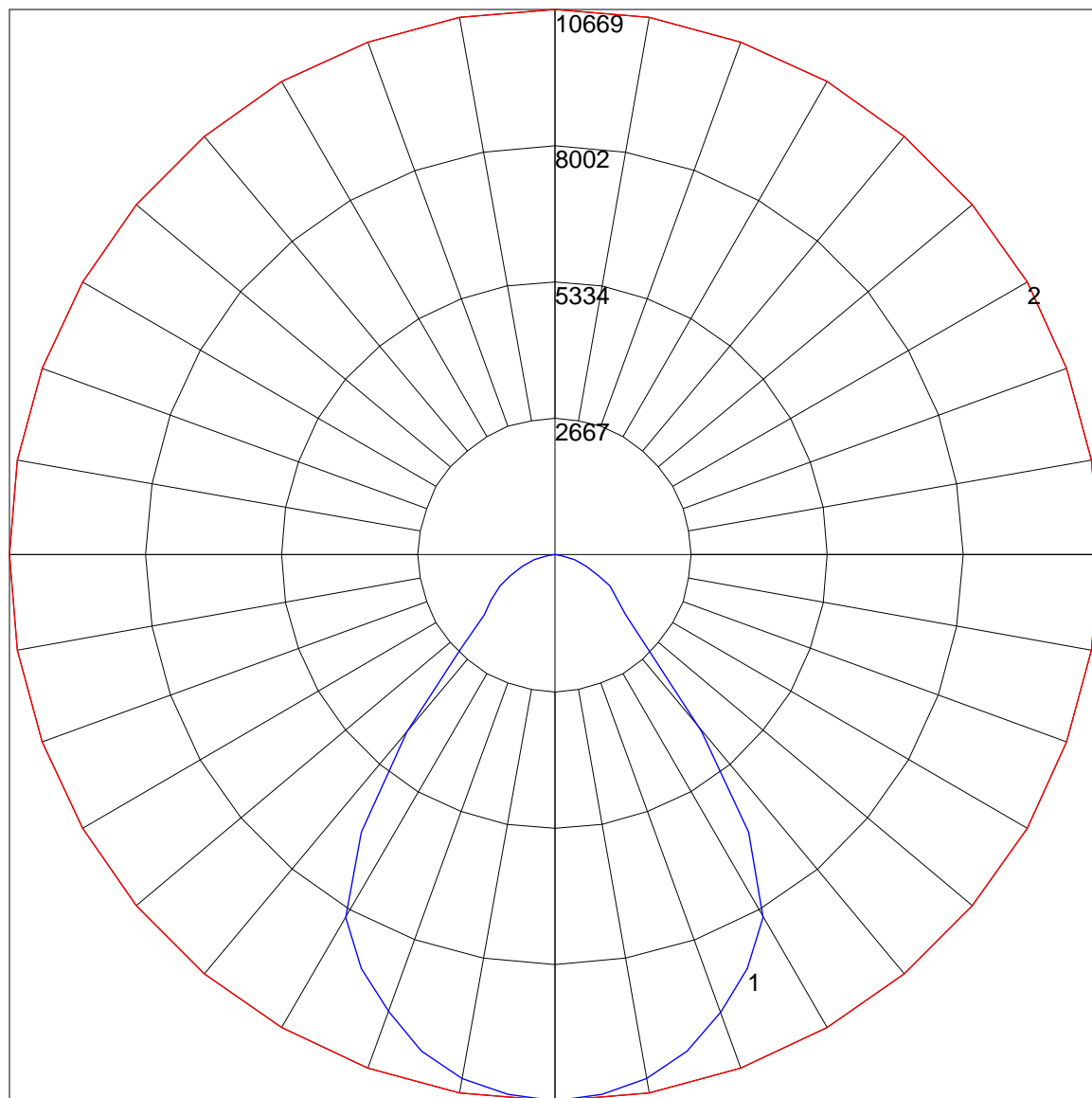
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	79
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	72	71
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57
6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	53	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37

POLAR GRAPH



Maximum Candela = 10668.707 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0)